Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-34 (canceled)

35. (Currently amended) A method of removing a <u>chemical</u> pollutant comprising a step of forming an intermediate in the production of a carbonaceous mixture that comprises carbon nanotubes <u>and expanded graphite</u>, wherein the carbon nanotubes further comprise at least one of a C_1, C_2, C_3, C_4, and C_5 radical, and wherein the intermediate comprises a carbonaceous feedstock and at least one compound according to the general formula MXO_n, wherein M is selected from the group consisting of H, NH_4, Na, and K, wherein X is selected from the group consisting of Cl, Br, and I, and wherein n is an integer between 1 and 4, inclusive; <u>a step of forming the carbonaceous mixture from the intermediate;</u> and further comprising a step of ~~using~~ <u>contacting</u> the carbonaceous material <u>with the pollutant</u> to <u>thereby</u> remove the pollutant.

36. (previously presented) The method of claim 35 wherein the nanotubes in the carbonaceous mixture are present in an amount of at least 10%.

37. (previously presented) The method of claim 35 wherein the nanotubes have a size of between 1 nm to 10 nm.

38. (previously presented) The method of claim 35 wherein the nanotubes further comprise a carbon radical having a hexagonal ring structure comprising at least one of a C_1, C_2, C_3, C_4, and C_5 radical.

39. (previously presented) The method of claim 35 wherein the carbonaceous feedstock and the at least one compound are present in an amount of 2:1.

40. (previously presented) The method of claim 35 wherein the carbonaceous feedstock comprises graphite flakes or graphite powder.

41. (previously presented) The method of claim 35 wherein M is H.

42.   (previously presented) The method of claim 35 wherein M is NH_4.

43.   (previously presented) The method of claim 35 wherein M is Na.

44.   (previously presented) The method of claim 35 wherein M is K.

45.   (previously presented) The method of claim 35 wherein X is Cl.

46.   (previously presented) The method of claim 35 wherein X is Br.

47.   (previously presented) The method of claim 35 wherein X is I.

48.   (previously presented) The method of claim 35 wherein n is 1.

49.   (previously presented) The method of claim 35 wherein n is 2.

50.   (previously presented) The method of claim 35 wherein n is 3.

51.   (previously presented) The method of claim 35 wherein n is 4.

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